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ABSTRACT

Implantable cardioverter-defibrillators (ICDs) are disclosed that are entirely implantable subcutaneously with minimal surgical intrusion into the body of the patient and provide distributed cardioversion/defibrillation and pace/sense electrodes for delivery of cardioversion/defibrillation shock and pacing therapies across the heart when necessary. At least two hermetically sealed housings forming first and second hermetically sealed housings coupled together by a cable support first, second and, optionally, third cardioversion/defibrillation electrodes. The relatively bulky high voltage battery and high voltage capacitors, and circuitry powered by a low voltage power source for detecting a tachyarrhythmia, charging the high voltage capacitor, and discharging the high voltage capacitor to provide a cardioversion/defibrillation shock are distributed between the first and second hermetically sealed housings.